

NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNNNNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	
NNN	NNN	NNN	CCCCCCCCCCCC	PPP	

```

NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  NN      NN      000000  DDDDDDDD
NN      NN      CCCCCCCC  PPPPPPPP  SSSSSSSS  TTTTTTTTTT  AAAAAA  NN      NN      000000  DDDDDDDD
NN      NN      CC        PP        PP  SS        TT        AA        AA  NN      NN      00        00  DD        DD
NN      NN      CC        PP        PP  SS        TT        AA        AA  NN      NN      00        00  DD        DD
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  NNNN    NN      00        00  DD        DD
NNNN    NN      CC        PP        PP  SS        TT        AA        AA  NNNN    NN      00        00  DD        DD
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  NN      NN      00        00  DD        DD
NN      NN      CC        PPPPPPPP  SSSSSS    TT        AA        AA  NN      NN      00        00  DD        DD
NN      NNNN    CC        PP        SS        TT        AAAAAAAAAA  NN      NNNN    00        00  DD        DD
NN      NNNN    CC        PP        SS        TT        AAAAAAAAAA  NN      NNNN    00        00  DD        DD
NN      NN      CC        PP        SS        TT        AA        AA  NN      NN      00        00  DD        DD
NN      NN      CC        PP        SS        TT        AA        AA  NN      NN      00        00  DD        DD
NN      NN      CC        PP        SS        TT        AA        AA  NN      NN      00        00  DD        DD
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  NN      NN      000000  DDDDDDDD
NN      NN      CCCCCCCC  PP        SSSSSSSS  TT        AA        AA  NN      NN      000000  DDDDDDDD

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

```
0001 0 %TITLE 'Node Parameter Parse States and Data'
0002 0 MODULE NCPSTANOD(IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
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0025 1 *
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1 ++
0031 1 FACILITY:      Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1     States and data for the parsing of NCP node parameters
0036 1     This includes the set node and set executor commands.
0037 1
0038 1 ENVIRONMENT:  VAX/VMS Operating System
0039 1
0040 1 AUTHOR:      Darrell Duffy , CREATION DATE: 10-September-79
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1     V03-018 PRD0099      Paul R. DeStefano      30-Apr-1984
0045 1     Change Node Address prompt string so that the range
0046 1     indicated in the prompt includes areas.
0047 1
0048 1     V03-017 PRD0045      Paul R. DeStefano      05-Jan-1984
0049 1     Add SERVICE NODE VERSION parameter.
0050 1
0051 1     V03-016 TMH0016      Tim Halvorsen          13-Jul-1983
0052 1     Add EXECUTOR ALIAS parameter.
0053 1
0054 1     V03-015 RPG0015      Bob Grosso             14-Mar-83
0055 1     Change HWA to NIADR from NADR.
0056 1
0057 1     V03-014 RPG0014      Bob Grosso             18-Feb-83
```

58	0058	1	Make TYPE NONROUTING default to NONROUTING IV.
59	0059	1	Remove PROXY and add "REQUIRED" to DEFAULT PROXY values.
60	0060	1	Add EXEC FORWARDING BUFFER SIZE.
61	0061	1	
62	0062	1	V03-013 RPG0013 Bob Grosso 08-Nov-82
63	0063	1	Fix SET EXEC NODE ADDRESS to accept areas.
64	0064	1	Change EXEC MAX AREA to EXEC MAX AREAS.
65	0065	1	
66	0066	1	V03-012 RPG0012 Bob Grosso 20-Jul-82
67	0067	1	Repair SET/DEF EXEC MAX * which was broken by
68	0068	1	insertion of broadcast noiseword.
69	0069	1	Alter NODE TYPE handling so that III or IV must be
70	0070	1	explicitly stated.
71	0071	1	
72	0072	1	V03-011 RPG0011 Bob Grosso 07-Jul-82
73	0073	1	Add support for NI. Add new type codes.
74	0074	1	
75	0075	1	V010 TMH0010 Tim Halvorsen 09-Mar-1982
76	0076	1	Change prompting, so that only "essential" and
77	0077	1	"important" parameters are prompted for.
78	0078	1	Change PROXY parameter to PROXY ACCESS.
79	0079	1	
80	0080	1	V009 TMH0009 Tim Halvorsen 31-Dec-1981
81	0081	1	Add DMF32 as a service device.
82	0082	1	
83	0083	1	V008 TMH0008 Tim Halvorsen 18-Dec-1981
84	0084	1	Add EXECUTOR DEFAULT PROXY and NODE PROXY parameters.
85	0085	1	
86	0086	1	V007 TMH0007 Tim Halvorsen 16-Nov-1981
87	0087	1	Add prompting for DUMP FILE parameter.
88	0088	1	
89	0089	1	V006 TMH0006 Tim Halvorsen 23-Oct-1981
90	0090	1	Fix parsing of NODE ACCESS parameter to send correct
91	0091	1	NICE parameter code.
92	0092	1	
93	0093	1	V005 TMH0005 Tim Halvorsen 15-Aug-1981
94	0094	1	Add DMP, DMV and DPV service devices
95	0095	1	Add PIPELINE QUOTA, DEFAULT ACCESS executor parameters.
96	0096	1	Add ACCESS node parameter.
97	0097	1	
98	0098	1	V004 TMH0004 Tim Halvorsen 13-Jul-1981
99	0099	1	Add NODE SUBADDRESSES parameter.
100	0100	1	Change MAXIMUM LINES to MAXIMUM CIRCUITS.
101	0101	1	Change SERVICE LINE to SERVICE CIRCUIT.
102	0102	1	Change LINE (loop line) to CIRCUIT.
103	0103	1	
104	0104	1	V003 TMH0003 Tim Halvorsen 22-Jun-1981
105	0105	1	Change BUILD_SDB reference to use full entity type field.
106	0106	1	
107	0107	1	V02-002 LMK0001 Len Kowell 30-Dec-1980
108	0108	1	Updated parameter value ranges.
109	0109	1	--

```
.. 111      0110 1 %SBTTL 'Definitions'
.. 112      0111 1
.. 113      0112 1
.. 114      0113 1 ! INCLUDE FILES:
.. 115      0114 1 !
.. 116      0115 1
.. 117      0116 1      LIBRARY 'LIB$:NMALIBRY';
.. 118      0117 1      LIBRARY 'LIB$:NCPLIBRY';
.. 119      0118 1      LIBRARY 'SYS$LIBRARY:TPAMAC';
.. 120      0119 1
.. 121      0120 1 !
.. 122      0121 1 ! EXTERNAL REFERENCES:
.. 123      0122 1 !
.. 124      0123 1
.. 125      0124 1      ACT_DFN      ! Action routine externals
.. 126      0125 1
.. 127      0126 1 EXTERNAL ROUTINE
.. 128      0127 1
.. 129      0128 1      ACT$EXECQ    ! Is the component the executor node?
.. 130      0129 1      ;
.. 131      0130 1
```

```
133 0131 1 %SBTTL 'Parameter blocks'
134 0132 1
135 0133 1
136 0134 1
137 0135 1
138 0136 1
139 0137 1
140 0138 1
141 0139 1
142 0140 1
143 P 0141 1
144 P 0142 1
145 P 0143 1
146 P 0144 1
147 P 0145 1
148 P 0146 1
149 P 0147 1
150 P 0148 1
151 P 0149 1
152 P 0150 1
153 P 0151 1
154 P 0152 1
155 P 0153 1
156 P 0154 1
157 P 0155 1
158 P 0156 1
159 P 0157 1
160 P 0158 1
161 P 0159 1
162 P 0160 1
163 P 0161 1
164 P 0162 1
165 P 0163 1
166 P 0164 1
167 P 0165 1
168 P 0166 1
169 P 0167 1
170 P 0168 1
171 P 0169 1
172 P 0170 1
173 P 0171 1
174 P 0172 1
175 P 0173 1
176 P 0174 1
177 P 0175 1
178 P 0176 1
179 P 0177 1
180 P 0178 1
181 P 0179 1
182 P 0180 1
183 P 0181 1
184 P 0182 1
185 P 0183 1
186 P 0184 1
187 P 0185 1
188 P 0186 1
189 P 0187 1
```

Parameter Blocks for NODE parameters

BUILD_PCL
(NOD,

STA, NUMB,	PCNO_STA, .
ID, TKNQ,	PCNO_IDE, .
SLN, TKN,	PCNO_SLI, .
SPW, HXPS,	PCNO_SPA, .
SDV, NUMB,	PCNO_SDV, .
CPU, NUMB,	PCNO_CPU, .
SNV, NUMB,	PCNO_SNV, .
HWA, NIADR,	PCNO_HWA, .
LFL, TKN,	PCNO_LOA, .
SLF, TKN,	PCNO_SLO, .
TLF, TKN,	PCNO_TLO, .
DGF, TKN,	PCNO_DFL, .
STY, NUMB,	PCNO_STY, .
SID, TKNQ,	PCNO_SID, .
DFL, TKN,	PCNO_DUM, .
SDF, TKN,	PCNO_SDU, .
DAD, NUML,	PCNO_DAD, .
DCT, NUML,	PCNO_DCT, .
HOS, NADR,	PCNO_IHO, .
CTM, NUMW,	PCNO_CTI, .
NAM, TKN,	PCNO_NNA, .
LIN, TKN,	PCNO_NLI, .
ADR, AADR,	PCNO_ADD, .
INT, NUMW,	PCNO_ITI, .
OTM, NUMW,	PCNO_OTI, .
MLK, NUMW,	PCNO_MLK, .
DFC, NUMB,	PCNO_DFA, .
DWT, NUMB,	PCNO_DWE, .
IAT, NUMW,	PCNO_IAT, .
RFC, NUMW,	PCNO_RFA, .

! EXECUTOR parameters

TYP, NUMB,	PCNO_ETY, .
RTM, NUMW,	PCNO_RTI, .
SAD, SAD,	PCNO_SAD, .
BRT, NUMW,	PCNO_BRT, .
MAD, NUMW,	PCNO_MAD, .
MLN, NUMW,	PCNO_MLN, .
MCO, NUMW,	PCNO_MCO, .
MHP, NUMB,	PCNO_MHO, .
MVS, NUMB,	PCNO_MVI, .
MAR, NUMB,	PCNO_MAR, .

! Originally a NUMW but must handle area now

! (X.25 only)

```

: 190 P 0188 1 MBE, NUMW, PCNO_MBE, ,
: 191 P 0189 1 MBR, NUMW, PCNO_MBR, ,
: 192 P 0190 1 AMC, NUMW, PCNO_AMC, ,
: 193 P 0191 1 AMH, NUMB, PCNO_AMH, ,
: 194 P 0192 1 MBF, NUMW, PCNO_MBU, ,
: 195 P 0193 1 BSZ, NUMW, PCNO_BUS, ,
: 196 P 0194 1 FBS, NUMW, PCNO_FBS, ,
: 197 P 0195 1 SBS, NUMW, PCNO_SBS, ,
: 198 P 0196 1
: 199 P 0197 1 NUS, TKNQ, PCNO_NUS, ,
: 200 P 0198 1 NAC, TKNQ, PCNO_NAC, ,
: 201 P 0199 1 NPW, TKNQ, PCNO_NPW, ,
: 202 P 0200 1 PUS, TKNQ, PCNO_PUS, ,
: 203 P 0201 1 PAC, TKNQ, PCNO_PAC, ,
: 204 P 0202 1 PPW, TKNQ, PCNO_PPW, ,
: 205 P 0203 1 ACC, NUMB, PCNO_ACC, ,
: 206 P 0204 1 DAC, NUMB, PCNO_DAC, ,
: 207 P 0205 1 PIQ, NUMW, PCNO_PIQ, ,
: 208 P 0206 1 ALI, AADR, PCNO_ALI, ,
: 209 P 0207 1 DPX, NUMB, PCNO_DPX, ,
: 210 P 0208 1
: 211 P 0209 1 RPW, TKNQ, PCNO_RPA, ,
: 212 P 0210 1 TPW, TKNQ, PCNO_TPA, ,
: 213 P 0211 1
: 214 P 0212 1 , END, , ,
: 215 P 0213 1
: 216 P 0214 1 )
```

```
218      0215 1
219      P 0216 1      BUILD_PBK
220      P 0217 1      (NOD,
221      P 0218 1      ! Node parameters
222      P 0219 1      CTM, NUMW, . . .
223      P 0220 1      SLN, TKN, . . .
224      P 0221 1      SPW, HXPS, . . .
225      P 0222 1      LFL, TKN, . . .
226      P 0223 1      SLF, TKN, . . .
227      P 0224 1      TLF, TKN, . . .
228      P 0225 1      DFL, TKN, . . .
229      P 0226 1      SDF, TKN, . . .
230      P 0227 1      HOS, NADR, . . .
231      P 0228 1      NAM, TKN, . . .
232      P 0229 1      LIN, TKN, . . .
233      P 0230 1      ADR, AADR, . . . ! Originally a NUMW but must handle area now
234      P 0231 1      RPW, TKNQ, . . .
235      P 0232 1      TPW, TKNQ, . . .
236      P 0233 1
237      P 0234 1      SDVP, LITB, NMASC_SOFD_DP, NOD_SDV,
238      P 0235 1      SDVUN, LITB, NMASC_SOFD_UNA, NOD_SDV,
239      P 0236 1      SDVU, LITB, NMASC_SOFD_DU, NOD_SDV,
240      P 0237 1      SDVL, LITB, NMASC_SOFD_DL, NOD_SDV,
241      P 0238 1      SDVQ, LITB, NMASC_SOFD_DQ, NOD_SDV,
242      P 0239 1      SDVA, LITB, NMASC_SOFD_DA, NOD_SDV,
243      P 0240 1      SDVUP, LITB, NMASC_SOFD_DUP, NOD_SDV,
244      P 0241 1      SDVMC, LITB, NMASC_SOFD_DMC, NOD_SDV,
245      P 0242 1      SDVTE, LITB, NMASC_SOFD_DTE, NOD_SDV,
246      P 0243 1      SDVKL, LITB, NMASC_SOFD_KL8, NOD_SDV,
247      P 0244 1      SDVMP, LITB, NMASC_SOFD_DMP, NOD_SDV,
248      P 0245 1      SDVMV, LITB, NMASC_SOFD_DMV, NOD_SDV,
249      P 0246 1      SDVPV, LITB, NMASC_SOFD_DPV, NOD_SDV,
250      P 0247 1      SDVMF, LITB, NMASC_SOFD_DMF, NOD_SDV,
251      P 0248 1
252      P 0249 1      CPU8, LITB, NMASC_CPU_8, NOD_CPU,
253      P 0250 1      CPU11, LITB, NMASC_CPU_11, NOD_CPU,
254      P 0251 1      CPU10, LITB, NMASC_CPU_1020, NOD_CPU,
255      P 0252 1      VAX, LITB, NMASC_CPU_VAX, NOD_CPU,
256      P 0253 1
257      P 0254 1      STSL, LITB, NMASC_SOFT_SECL, NOD_STY,
258      P 0255 1      STTL, LITB, NMASC_SOFT_TERL, NOD_STY,
259      P 0256 1      STOS, LITB, NMASC_SOFT_OSYS, NOD_STY,
260      P 0257 1
261      P 0258 1      SNVPH3, LITB, NMASC_NODSNV_PH3, NOD_SNV,
262      P 0259 1      SNVPH4, LITB, NMASC_NODSNV_PH4, NOD_SNV,
263      P 0260 1
264      P 0261 1      SID, TKNQ, . . .
265      P 0262 1      DAD, NUML, . . .
266      P 0263 1      DCT, NUML, . . .
267      P 0264 1      NAC, TKNQ, . . .
268      P 0265 1      NPW, TKNQ, . . .
269      P 0266 1      NUS, TKNQ, . . .
270      P 0267 1      PAC, TKNQ, . . .
271      P 0268 1      PPW, TKNQ, . . .
272      P 0269 1      PUS, TKNQ, . . .
273      P 0270 1
274      P 0271 1      ACCNON, LITB, NMASC_ACES_NONE, NOD_ACC,
```

NCPSTANOD
V04-000

Node Parameter Parse States and Data
Parameter blocks

K 1
16-Sep-1984 01:17:08
14-Sep-1984 12:48:31

VAX-11 Bliss-32 V4.0-742
[NCP.SRC]NCPSTANOD.B32;1

Page 7
(4)

```
: 275 P 0272 1 ACCINC, LITB, NMASC_ACES_INCO, NOD_ACC,  
: 276 P 0273 1 ACCOUT, LITB, NMASC_ACES_OUTG, NOD_ACC,  
: 277 P 0274 1 ACCBOT, LITB, NMASC_ACES_BOTH, NOD_ACC,  
: 278 P 0275 1  
: 279 P 0276 1 DACNON, LITB, NMASC_ACES_NONE, NOD_DAC,  
: 280 P 0277 1 DACINC, LITB, NMASC_ACES_INCO, NOD_DAC,  
: 281 P 0278 1 DACOUT, LITB, NMASC_ACES_OUTG, NOD_DAC,  
: 282 P 0279 1 DACBOT, LITB, NMASC_ACES_BOTH, NOD_DAC,  
: 283 P 0280 1  
: 284 P 0281 1 DPXNON, LITB, NMASC_ACES_NONE, NOD_DPX,  
: 285 P 0282 1 DPXINC, LITB, NMASC_ACES_INCO, NOD_DPX,  
: 286 P 0283 1 DPXOUT, LITB, NMASC_ACES_OUTG, NOD_DPX,  
: 287 P 0284 1 DPXBOT, LITB, NMASC_ACES_BOTH, NOD_DPX,  
: 288 P 0285 1 DPXREQ, LITB, NMASC_ACES_REQU, NOD_DPX,  
: 289 P 0286 1  
: 290 0287 1 )
```

```
292 0288 1
293 P 0289 1 BUILD_PBK
294 P 0290 1
295 P 0291 1 (NOD, ! Executor parameters
296 P 0292 1
297 P 0293 1 BSZ, NUMW, . .
298 P 0294 1 DFC, NUMB, . .
299 P 0295 1 DWT, NUMB, . .
300 P 0296 1 ID, TKNQ, . .
301 P 0297 1 IAT, NUMW, . .
302 P 0298 1 INT, NUMW, . .
303 P 0299 1 MAD, NUMW, . .
304 P 0300 1 MBF, NUMW, . .
305 P 0301 1 MCO, NUMW, . .
306 P 0302 1 MHP, NUMB, . .
307 P 0303 1 MVS, NUMB, . .
308 P 0304 1 MLN, NUMW, . .
309 P 0305 1 MLK, NUMW, . .
310 P 0306 1 OTM, NUMW, . .
311 P 0307 1 RFC, NUMW, . .
312 P 0308 1 RTM, NUMW, . .
313 P 0309 1 SAD, SAD, . .
314 P 0310 1 HWA, NIADR, . .
315 P 0311 1 DGF, TKN, . .
316 P 0312 1
317 P 0313 1 BRT, NUMW, . .
318 P 0314 1 MAR, NUMB, . .
319 P 0315 1 MBE, NUMW, . .
320 P 0316 1 MBR, NUMW, . .
321 P 0317 1 AMC, NUMW, . .
322 P 0318 1 AMH, NUMB, . .
323 P 0319 1 FBS, NUMW, . .
324 P 0320 1 SBS, NUMW, . .
325 P 0321 1
326 P 0322 1 STAON, LITB, NMASC_STATE_ON, NOD_STA,
327 P 0323 1 STAOFF, LITB, NMASC_STATE_OFF, NOD_STA,
328 P 0324 1 STARST, LITB, NMASC_STATE_RES, NOD_STA,
329 P 0325 1 STASHT, LITB, NMASC_STATE_SHU, NOD_STA,
330 P 0326 1
331 P 0327 1 TYPROT, LITB, NMASC_NODTY_ROU, NOD_TYP,
332 P 0328 1 TYPNRT, LITB, NMASC_NODTY_NON, NOD_TYP,
333 P 0329 1 TYPPH2, LITB, NMASC_NODTY_PHA, NOD_TYP,
334 P 0330 1 TYPARE, LITB, NMASC_NODTY_AREA, NOD_TYP,
335 P 0331 1 TYPRT4, LITB, NMASC_NODTY_RT4, NOD_TYP,
336 P 0332 1 TYPNR4, LITB, NMASC_NODTY_NR4, NOD_TYP,
337 P 0333 1
338 P 0334 1 PIQ, NUMW, . .
339 P 0335 1 ALI, AADR, . .
340 P 0336 1
341 P 0337 1 )
342 P 0338 1
343 P 0339 1 BUILD_SDB
344 P 0340 1
345 0341 1 (NOD, NMASC_ENT_NOD, VRB_ENT, NOD)
```

```
: 347 0342 1 %SBTTL 'Prompt strings'
: 348 0343 1
: 349 0344 1 !
: 350 0345 1 ! Prompt strings for node parameters
: 351 0346 1 !
: 352 0347 1 !
: 353 0348 1 !BIND
: 354 0349 1
: 355 0350 1 ! PROMPT_STRINGS
: 356 0351 1 ! (NOD,
: 357 0352 1 !
: 358 0353 1 ! CTM, 'Counter timer (1-65535 seconds): ',
: 359 0354 1 ! CPU, 'Processor type (PDP11,DECSYS,VAX): ',
: 360 0355 1 ! SDV, 'Service device (DL,UNA,DU,DUP,DMC,DMP): ',
: 361 0356 1 ! SNV, 'Service node version (PHASE III, PHASE IV): ',
: 362 0357 1 ! STY, 'Software type (SEC, TER, SYS): ',
: 363 0358 1 ! SID, 'Software id (16 characters): ',
: 364 0359 1 ! DAD, 'Dump address (0-FFFFFFFF hex): ',
: 365 0360 1 ! DCT, 'Dump count (1-2^32): ',
: 366 0361 1 ! LIN, 'Connecting circuit (dev-c-u.t): ',
: 367 0362 1 ! HOS, 'Host node id (node-name, address): ',
: 368 0363 1 ! SLN, 'Service circuit (16 characters): ',
: 369 0364 1 ! SPW, 'Service password (1-8 hex digits): ',
: 370 0365 1 ! LFL, 'File to load (filename): ',
: 371 0366 1 ! SLF, 'Secondary loader (filename): ',
: 372 0367 1 ! TLF, 'Tertiary loader (filename): ',
: 373 0368 1 ! DFL, 'File to contain dump (filename): ',
: 374 0369 1 ! SDF, 'Secondary dumper (filename): ',
: 375 0370 1 ! RPW, 'Receive password (1-8 characters): ',
: 376 0371 1 ! TPW, 'Transmit password (1-8 characters): ',
: 377 0372 1 ! NAC, 'Nonpriv account (1-39 characters): ',
: 378 0373 1 ! NPW, 'Nonpriv password (1-39 characters): ',
: 379 0374 1 ! NUS, 'Nonpriv user id (1-39 characters): ',
: 380 0375 1 ! PAC, 'Priv account (1-39 characters): ',
: 381 0376 1 ! PPW, 'Priv password (1-39 characters): ',
: 382 0377 1 ! PUS, 'Priv user id (1-39 characters): ',
: 383 0378 1 ! ACC, %STRING(
: 384 0379 1 ! 'Access (INCOMING, OUTGOING,
: 385 0380 1 ! 'BOTH, NONE): '),
: 386 0381 1 ! )
: 387 0382 1 ! :
```

```
389 0383 1
390 0384 1
391 0385 1
392 0386 1
393 0387 1
394 0388 1 BIND
395 P 0389 1
396 P 0390 1
397 P 0391 1
398 P 0392 1
399 P 0393 1
400 P 0394 1
401 P 0395 1
402 P 0396 1
403 P 0397 1
404 P 0398 1
405 P 0399 1
406 P 0400 1
407 P 0401 1
408 P 0402 1
409 P 0403 1
410 P 0404 1
411 P 0405 1
412 P 0406 1
413 P 0407 1
414 P 0408 1
415 P 0409 1
416 P 0410 1
417 P 0411 1
418 P 0412 1
419 P 0413 1
420 P 0414 1
421 P 0415 1
422 P 0416 1
423 P 0417 1
424 P 0418 1
425 P 0419 1
426 0420 2
427 0421 1

Prompt strings for executor parameters

PROMPT_STRINGS
(NOD,
ADR, 'Node address (1.1-63.1023): ',
BSZ, 'Buffer size (1-16384 bytes): ',
DFC, 'Delay factor (16-255): ',
DWT, 'Delay weight (0-255): ',
ID, 'System id string (32 characters): ',
IAT, 'Inactivity timer (1-65535 seconds): ',
INT, 'Incoming timer (1-65535 seconds): ',
MAD, 'Maximum address (1-255): ',
MBF, 'Maximum buffers (1-65535): ',
MCO, 'Maximum cost (1-1022): ',
MHP, 'Maximum hops (1-30): ',
MLN, 'Maximum circuits (1-64): ',
MLK, 'Maximum links (1-1023): ',
MVS, 'Maximum visits (1-255): ',
NAM, 'Node name (1-6 characters): ',
OTM, 'Outgoing timer (1-65535 seconds): ',
RFC, 'Retransmit factor (1-255): ',
RTM, 'Routing timer (1-65535 seconds): ',
SAD, 'Subaddresses (Range-list): ',
STA, 'State (ON, OFF, SHUT, RESTRICTED): ',
DAC, %STRING(
'Default link access (INCOMING, ',
OUTGOING, BOTH, NONE): '),
DPX, %STRING(
'Default proxy access (INCOMING, ',
OUTGOING, BOTH, NONE, REQUIRED): '),
PIQ, 'Pipeline quota (0-65535 bytes): ',
)
;
```

```
429 0422 1 %SBTTL 'State Table for Node Parameters'
430 0423 1
431 0424 1 $INIT_STATE (NCP$G_STTBL_NOD, NCP$G_KYTBL_NOD);
432 0425 1
433 0426 1
434 0427 1 SET/DEFINE NODE Parameter States
435 0428 1
436 0429 1
437 P 0430 1 $STATE (ST_NOD,
438 P 0431 1 ( (SE_ALL), ST_NOD_DOIT), ! All parameter
439 P 0432 1 (TPAS_EOS, , ACT$PMT_ON), ! Prompt if no keywords
440 P 0433 1 (TPAS_LAMBDA, ST_NOD_PRC, ACT$PMT_OFF) ! Process keywords
441 0434 1 );
442 0435 1
443 P 0436 1 $STATE (
444 P 0437 1 (TPAS_LAMBDA, ST_EXE_PMT, ACT$EXECQ, , , PDB$G_VRB_ENT),
445 P 0438 1 (TPAS_LAMBDA)
446 0439 1 );
447 0440 1
448 0441 1
449 0442 1 Build prompt states for node parameters
450 0443 1
451 P 0444 1 PROMPT_STATES
452 P 0445 1 (NOD,
453 P 0446 1
454 P 0447 1 ADR, NAM
455 P 0448 1
456 0449 1 )
457 0450 1
458 P 0451 1 $STATE (
459 P 0452 1 (TPAS_LAMBDA, ST_NOD_DOIT)
460 0453 1 );
461 0454 1
462 P 0455 1 $STATE (ST_EXE_PMT,
463 P 0456 1 (TPAS_LAMBDA)
464 0457 1 );
465 0458 1
466 0459 1
467 0460 1 Build prompt states for executor parameters
468 0461 1
469 0462 1
470 P 0463 1 $STATE (ST_EXE_PMT_ADR,
471 P 0464 1 (TPAS_LAMBDA, , ACT$PRMPT, , , PMT$G_NOD_ADR)
472 0465 1 );
473 0466 1
474 P 0467 1 $STATE (
475 P 0468 1 (TPAS_SYMBOL, ST_NOD_DOIT, ACT$PMTDONEQ),
476 P 0469 1 ((ST_NOD_ADR)),
477 P 0470 1 (TPAS_EOS),
478 P 0471 1 (TPAS_LAMBDA, ST_EXE_PMT_ADR, ACT$SIGNAL, , , NCP$_INVVAL)
479 0472 1 );
480 0473 1
481 P 0474 1 PROMPT_STATES
482 P 0475 1 (NOD,
483 P 0476 1
484 P 0477 1 STA, ID,
485 0478 1 BSZ, MAD, MBF, MCO, MHP, MLN, MVS, PIQ
```

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Node Parameter Parse States and Data
State Table for Node Parameters

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:	486	P	0479	1	
:	487		0480	1)
:	488		0481	1	
:	489		0482	1	
:	490	P	0483	1	\$STATE (ST_NOD_DOIT,
:	491	P	0484	1	(TPAS_EOS, TPAS_EXIT, ACTSVRB_UTILITY, , , SDB\$G_NOD),
:	492		0485	1);

```
.. 494      0486 1 %SBTTL 'Dispatch States'
.. 495      0487 1
.. 496      0488 1
.. 497      0489 1
.. 498      0490 1
.. 499      0491 1
500      P 0492 1 $STATE (ST_NOD_PRC,
501      P 0493 1
502      P 0494 1 DISPATCH_STATES
503      P 0495 1 (NOD,
504      P 0496 1
505      P 0497 1 ACC, 'ACCESS',
506      P 0498 1 ADR, 'ADDRESS',
507      P 0499 1 ALI, 'ALIAS',
508      P 0500 1 ARE, 'AREA',
509      P 0501 1 BRO, 'BROADCAST',
510      P 0502 1 BSZ, 'BUFFER',
511      P 0503 1 CPU, 'CPU',
512      P 0504 1 MCO, 'COST',
513      P 0505 1 CTM, 'COUNTER',
514      P 0506 1 DEF, 'DEFAULT',
515      P 0507 1 DLY, 'DELAY',
516      P 0508 1 DGF, 'DIAGNOSTIC',
517      P 0509 1 DUM, 'DUMP',
518      P 0510 1 FOR, 'FORWARDING',
519      P 0511 1 HWA, 'HARDWARE',
520      P 0512 1 MHP, 'HOPS',
521      P 0513 1 HOS, 'HOST',
522      P 0514 1 ID, 'IDENTIFICATION',
523      P 0515 1 IAT, 'INACTIVITY',
524      P 0516 1 INT, 'INCOMING',
525      P 0517 1 LIN, 'CIRCUIT',
526      P 0518 1 LFL, 'LOAD',
527      P 0519 1 MLK, 'LINKS',
528      P 0520 1 MAX, 'MAXIMUM',
529      P 0521 1 NAM, 'NAME',
530      P 0522 1 NPR, 'NONPRIVILEGED',
531      P 0523 1 OTM, 'OUTGOING',
532      P 0524 1 PIQ, 'PIPELINE',
533      P 0525 1 PRV, 'PRIVILEGED',
534      P 0526 1 RPW, 'RECEIVE',
535      P 0527 1 RFC, 'RETRANSMIT',
536      P 0528 1 RTM, 'ROUTING',
537      P 0529 1 SEC, 'SECONDARY',
538      P 0530 1 SEG, 'SEGMENT',
539      P 0531 1 SVC, 'SERVICE',
540      P 0532 1 SOF, 'SOFTWARE',
541      P 0533 1 STA, 'STATE',
542      P 0534 1 SAD, 'SUBADDRESSES',
543      P 0535 1 TLF, 'TERTIARY',
544      P 0536 1 TPW, 'TRANSMIT',
545      P 0537 1 TYP, 'TYPE',
546      P 0538 1 SNV, 'VERSION',
547      P 0539 1 MVS, 'VISITS',
548      P 0540 1
549      P 0541 1
550      P 0542 1 )
      (TPAS_EOS, ST_NOD_DOIT)
```

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Node Parameter Parse States and Data
Dispatch States

; 551

0543 1);

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```
553      0544 1
554      P 0545 1 $STATE (ST_NOD_PRC_ARE,      ! AREA keyword dispatch
555      P 0546 1
556      P 0547 1      ('MAXIMUM'),
557      P 0548 1      (TPAS_LAMBDA)
558      P 0549 1      );
559      0550 1
560      P 0551 1 $STATE (
561      P 0552 1      ('COST', ST_NOD_PRC_AMC),
562      P 0553 1      ('HOPS', ST_NOD_PRC_AMH)
563      P 0554 1      );
564      0555 1
565      P 0556 1
566      P 0557 1 $STATE (ST_NOD_PRC_BRO,      ! BROADCAST keyword dispatch
567      P 0558 1
568      P 0559 1      ('ROUTING', ST_NOD_PRC_BRT), ! routing is a noise word
569      P 0560 1      ('TIMER', ST_NOD_PRC_BRT), ! timer is a noise word
570      P 0561 1      (TPAS_LAMBDA, ST_NOD_PRC_BRT)
571      P 0562 1      );
572      0563 1
573      P 0564 1 $STATE (ST_NOD_PRC_FOR,      ! FORWARDING keyword dispatch
574      P 0565 1
575      P 0566 1      ('BUFFER', ST_NOD_PRC_FBS), ! buffer is a noise word
576      P 0567 1      ('SIZE', ST_NOD_PRC_FBS), ! size is a noise word
577      P 0568 1      (TPAS_LAMBDA, ST_NOD_PRC_FBS)
578      P 0569 1      );
579      0570 1
580      P 0571 1 $STATE (ST_NOD_PRC_SEC,      ! SECONDARY keyword dispatch
581      P 0572 1
582      P 0573 1      DISPATCH_STATES
583      P 0574 1      (NOD,
584      P 0575 1
585      P 0576 1      SDF, 'DUMPER',
586      P 0577 1      SLF, 'LOADER',
587      P 0578 1
588      P 0579 1      ));
589      0580 1
590      P 0581 1 $STATE (ST_NOD_PRC_SEG,      ! SEGMENT keyword dispatch
591      P 0582 1
592      P 0583 1      ('BUFFER', ST_NOD_PRC_SBS), ! buffer is a noise word
593      P 0584 1      ('SIZE', ST_NOD_PRC_SBS), ! size is a noise word
594      P 0585 1      (TPAS_LAMBDA, ST_NOD_PRC_SBS)
595      P 0586 1      );
596      0587 1
597      P 0588 1 $STATE (ST_NOD_PRC_SVC,      ! SERVICE keyword dispatch
598      P 0589 1
599      P 0590 1      DISPATCH_STATES
600      P 0591 1      (NOD,
601      P 0592 1
602      P 0593 1      SDV, 'DEVICE',
603      P 0594 1      SLN, 'CIRCUIT',
604      P 0595 1      SNV, 'NODE',
605      P 0596 1      SPW, 'PASSWORD',
606      P 0597 1      ));
607      0598 1
608      P 0599 1
609      P 0600 1 $STATE (ST_NOD_PRC_MAX,      ! MAXIMUM
```

```
: 610 P 0601 1 ('BROADCAST'),
: 611 P 0602 1 (TPAS_LAMBDA)
: 612 0603 1 );
: 613 0604 1
: 614 P 0605 1 $STATE (,
: 615 P 0606 1
: 616 P 0607 1 DISPATCH_STATES
: 617 P 0608 1 (NOD,
: 618 P 0609 1
: 619 P 0610 1 MAD, 'ADDRESS',
: 620 P 0611 1 MAR, 'AREAS',
: 621 P 0612 1 MBF, 'BUFFERS',
: 622 P 0613 1 MLN, 'CIRCUITS',
: 623 P 0614 1 MCO, 'COST',
: 624 P 0615 1 MHP, 'HOPS',
: 625 P 0616 1 MLK, 'LINKS',
: 626 P 0617 1 MBE, 'NONROUTERS',
: 627 P 0618 1 MBR, 'ROUTERS',
: 628 P 0619 1 MVS, 'VISITS',
: 629 P 0620 1
: 630 0621 1 ));
: 631 0622 1
: 632 P 0623 1 $STATE (ST_NOD_PRC_DEF, ! DEFAULT keyword dispatch
: 633 P 0624 1
: 634 P 0625 1 DISPATCH_STATES
: 635 P 0626 1 (NOD,
: 636 P 0627 1
: 637 P 0628 1 DAC, 'ACCESS',
: 638 P 0629 1 DPX, 'PROXY',
: 639 P 0630 1
: 640 0631 1 ));
: 641 0632 1
: 642 P 0633 1 $STATE (ST_NOD_PRC_DLY, ! DELAY keyword dispatch
: 643 P 0634 1
: 644 P 0635 1 DISPATCH_STATES
: 645 P 0636 1 (NOD,
: 646 P 0637 1
: 647 P 0638 1 DFC, 'FACTOR',
: 648 P 0639 1 DWT, 'WEIGHT',
: 649 P 0640 1
: 650 0641 1 ));
: 651 0642 1
: 652 P 0643 1 $STATE (ST_NOD_PRC_DUM, ! DUMP keyword dispatch
: 653 P 0644 1
: 654 P 0645 1 DISPATCH_STATES
: 655 P 0646 1 (NOD,
: 656 P 0647 1
: 657 P 0648 1 DAD, 'ADDRESS',
: 658 P 0649 1 DCT, 'COUNT',
: 659 P 0650 1 DFL, 'FILE',
: 660 P 0651 1
: 661 0652 1 ));
: 662 0653 1
: 663 P 0654 1 $STATE (ST_NOD_PRC_SOF, ! SOFTWARE keyword dispatch
: 664 P 0655 1
: 665 P 0656 1 DISPATCH_STATES
: 666 P 0657 1 (NOD,
```

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Node Parameter Parse States and Data
Dispatch States

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:	667	P	0658	1	
:	668	P	0659	1	SID, 'IDENTIFICATION',
:	669	P	0660	1	STY, 'TYPE',
:	670	P	0661	1	
:	671		0662	1));

```

: 673      0663 1
: 674      0664 1
: 675      0665 1
: 676      0666 1
: 677      0667 1
: 678      P 0668 1 $STATE (ST_NOD_PRC_NPR,
: 679      P 0669 1 ('ACCOUNT', ST_NOD_PRC_NAC),
: 680      P 0670 1 ('PASSWORD', ST_NOD_PRC_NPW),
: 681      P 0671 1 ('USER', ST_NOD_PRC_NUS),
: 682      P 0672 1 (TPAS_LAMBDA, ST_NOD_PRC);
: 683      0673 1
: 684      0674 1
: 685      P 0675 1 $STATE (ST_NOD_PRC_NAC,
: 686      P 0676 1 ( (ST_NOD_NAC), ST_NOD_PRC_NPR)
: 687      0677 1
: 688      0678 1
: 689      P 0679 1 $STATE (ST_NOD_PRC_NPW,
: 690      P 0680 1 ( (ST_NOD_NPW), ST_NOD_PRC_NPR)
: 691      0681 1
: 692      0682 1
: 693      P 0683 1 $STATE (ST_NOD_PRC_NUS,
: 694      P 0684 1 ( (ST_NOD_NUS), ST_NOD_PRC_NPR)
: 695      0685 1
: 696      0686 1
: 697      0687 1
: 698      0688 1
: 699      0689 1
: 700      0690 1
: 701      P 0691 1 $STATE (ST_NOD_PRC_PRV,
: 702      P 0692 1 ('ACCOUNT', ST_NOD_PRC_PAC),
: 703      P 0693 1 ('PASSWORD', ST_NOD_PRC_PPW),
: 704      P 0694 1 ('USER', ST_NOD_PRC_PUS),
: 705      P 0695 1 (TPAS_LAMBDA, ST_NOD_PRC);
: 706      0696 1
: 707      0697 1
: 708      P 0698 1 $STATE (ST_NOD_PRC_PAC,
: 709      P 0699 1 ( (ST_NOD_PAC), ST_NOD_PRC_PRV)
: 710      0700 1
: 711      0701 1
: 712      P 0702 1 $STATE (ST_NOD_PRC_PPW,
: 713      P 0703 1 ( (ST_NOD_PPW), ST_NOD_PRC_PRV)
: 714      0704 1
: 715      0705 1
: 716      P 0706 1 $STATE (ST_NOD_PRC_PUS,
: 717      P 0707 1 ( (ST_NOD_PUS), ST_NOD_PRC_PRV)
: 718      0708 1
:

```

```

: 720      0709 1 %SBTTL 'Process States'
: 721      0710 1
: 722      0711 1
: 723      0712 1
: 724      0713 1
: 725      0714 1
: 726      P 0715 1
: 727      P 0716 1
: 728      P 0717 1
: 729      P 0718 1
: 730      P 0719 1
: 731      P 0720 1
: 732      P 0721 1
: 733      P 0722 1
: 734      P 0723 1
: 735      P 0724 1
: 736      P 0725 1
: 737      P 0726 1
: 738      P 0727 1
: 739      P 0728 1
: 740      P 0729 1
: 741      P 0730 1
: 742      P 0731 1
: 743      P 0732 1
: 744      P 0733 1
: 745      P 0734 1
: 746      P 0735 1
: 747      P 0736 1
: 748      P 0737 1
: 749      P 0738 1
: 750      P 0739 1
: 751      P 0740 1
: 752      P 0741 1
: 753      P 0742 1
: 754      P 0743 1
: 755      P 0744 1
: 756      P 0745 1
: 757      P 0746 1
: 758      P 0747 1
: 759      P 0748 1
: 760      P 0749 1
: 761      P 0750 1
: 762      P 0751 1
: 763      P 0752 1
: 764      P 0753 1
: 765      P 0754 1
: 766      P 0755 1
: 767      P 0756 1
: 768      P 0757 1
: 769      P 0758 1
: 770      P 0759 1
: 771      P 0760 1
: 772      P 0761 1
: 773      P 0762 1
: 774      P 0763 1
: 775      P 0764 1
: 776      P 0765 1

Node parameter process states

PROCESS_STATES
(NOD,

BRT, 'TIMER',
CPU,
HWA, 'ADDRESS',
CTM, 'TIMER',
DAD, ,
DCT, ,
DFL, ,
DGF, 'FILE',
FBS, 'SIZE',
HOS, ,
LIN, ,
LFL, 'FILE',
RPW, 'PASSWORD',
SBS, 'SIZE',
SDF, ,
SLF, ,
SDV, ,
SID, ,
SLN, ,
SNV, 'VERSION',
SPW, ,
STY, ,
TLF, 'LOADER',
TPW, 'PASSWORD',
ACC, ,

! Executor parameters

ADR, ,
AMC, ,
AMH, ,
BSZ, 'SIZE',
DFC, ,
DWT, ,
ID, ,
IAT, 'TIMER',
INT, 'TIMER',
MAD, ,
MBF, ,
MCO, ,
MHP, ,
MLN, ,
MLK, ,
MAR, ,
MBE, ,
MBR, ,
MVS, ,
NAM, ,
```

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Process States

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:	777	P	0766	1	OTM,	'TIMER'
:	778	P	0767	1	RFC,	'FACTOR'
:	779	P	0768	1	RTM,	'TIMER'
:	780	P	0769	1	SAD,	,
:	781	P	0770	1	STA,	,
:	782	P	0771	1	TYP,	,
:	783	P	0772	1	DAC,	,
:	784	P	0773	1	DPX,	,
:	785	P	0774	1	PIQ,	'QUOTA'
:	786	P	0775	1	ALI,	'ADDRESS'
:	787	P	0776	1		
:	788		0777	1)	

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```
: 790      0778 1 %SBTTL 'Define Subexpressions'
: 791      0779 1
: 792      0780 1
: 793      0781 1
: 794      0782 1
: 795      0783 1
: 796      P 0784 1
: 797      P 0785 1
: 798      P 0786 1
: 799      P 0787 1
: 800      P 0788 1
: 801      P 0789 1
: 802      P 0790 1
: 803      P 0791 1
: 804      P 0792 1
: 805      P 0793 1
: 806      P 0794 1
: 807      P 0795 1
: 808      P 0796 1
: 809      P 0797 1
: 810      P 0798 1
: 811      P 0799 1
: 812      P 0800 1
: 813      P 0801 1
: 814      P 0802 1
: 815      P 0803 1
: 816      P 0804 1
: 817      P 0805 1
: 818      P 0806 1
: 819      P 0807 1
: 820      P 0808 1
: 821      P 0809 1
: 822      P 0810 1
: 823      P 0811 1
: 824      P 0812 1
: 825      P 0813 1
: 826      P 0814 1
: 827      P 0815 1
: 828      P 0816 1
: 829      0817 1

Node parameter subexpressions

SUB_EXPRESSIONS

(NOD,

ADR, (SE_NODE_ADR),
BRT, TPAS_DECIMAL,
CTM, TPAS_DECIMAL,
DAD, TPAS_HEX,
DCT, TPAS_DECIMAL,
DFL, (SE_FILE_ID),
DGF, (SE_FILE_ID),
FBS, TPAS_DECIMAL,
HWA, (SE_NI_ADR),
HOS, (SE_NODE_ID),
LIN, (SE_CIRC_ID),
LFL, (SE_FILE_ID),
NAM, (SE_NODE_NAM),
RPW, (SE_NSP_PSW),
SBS, TPAS_DECIMAL,
SDF, (SE_FILE_ID),
SID, (SE_SOFT_ID),
SLF, (SE_FILE_ID),
SLN, (SE_CIRC_ID),
SPW, (SE_HEX_PSW),
TLF, (SE_FILE_ID),
TPW, (SE_NSP_PSW),
NAC, (SE_ACC_ACC),
NPW, (SE_ACC_PSW),
NUS, (SE_ACC_USR),
PAC, (SE_ACC_ACC),
PPW, (SE_ACC_PSW),
PUS, (SE_ACC_USR),

)
```

```

: 831      0818 1
: 832      0819 1
: 833      0820 1
: 834      0821 1
: 835      0822 1
: 836      P 0823 1
: 837      P 0824 1
: 838      P 0825 1
: 839      P 0826 1
: 840      P 0827 1
: 841      P 0828 1
: 842      P 0829 1
: 843      P 0830 1
: 844      P 0831 1
: 845      P 0832 1
: 846      P 0833 1
: 847      P 0834 1
: 848      P 0835 1
: 849      P 0836 1
: 850      P 0837 1
: 851      P 0838 1
: 852      P 0839 1
: 853      P 0840 1
: 854      P 0841 1
: 855      P 0842 1
: 856      P 0843 1
: 857      P 0844 1
: 858      P 0845 1
: 859      P 0846 1
: 860      P 0847 1
: 861      P 0848 1
: 862      P 0849 1
: 863      P 0850 1
: 864      P 0851 1
: 865      P 0852 1
: 866      P 0853 1
: 867      P 0854 1
: 868      P 0855 1
: 869      P 0856 1
: 870      P 0857 1
: 871      P 0858 1
: 872      P 0859 1
: 873      P 0860 1
: 874      0861 1

      )

      Executor parameter subexpressions

      SUB EXPRESSIONS
      (NOD,

      AMC, TPAS_DECIMAL,
      AMH, TPAS_DECIMAL,
      BSZ, TPAS_DECIMAL,
      DFC, TPAS_DECIMAL,
      DWT, TPAS_DECIMAL,
      ID, (SE_EXE_ID),
      IAT, TPAS_DECIMAL,
      INT, TPAS_DECIMAL,
      MAD, TPAS_DECIMAL,
      MBF, TPAS_DECIMAL,
      MCO, TPAS_DECIMAL,
      MHP, TPAS_DECIMAL,
      MLN, TPAS_DECIMAL,
      MLK, TPAS_DECIMAL,
      MAR, TPAS_DECIMAL,
      MBE, TPAS_DECIMAL,
      MBR, TPAS_DECIMAL,
      MVS, TPAS_DECIMAL,
      OTM, TPAS_DECIMAL,
      RFC, TPAS_DECIMAL,
      RTM, TPAS_DECIMAL,
      SAD, (SE_SUBADR_RANGE),
      PIQ, TPAS_DECIMAL,
      ALI, (SE_NODE_ADR),

      TYPNRT, TPAS_LAMBDA,
      TYPROT, TPAS_LAMBDA,
      TYPPH2, TPAS_LAMBDA,
      TYPARE, TPAS_LAMBDA,
      TYPRT4, TPAS_LAMBDA,
      TYPNR4, TPAS_LAMBDA,

      SNVPH3, TPAS_LAMBDA,
      SNVPH4, TPAS_LAMBDA,

      )
```

```

: 876      0862 1
: 877      0863 1
: 878      0864 1
: 879      0865 1
: 880      0866 1
: 881 P 0867 1 $STATE (ST_NOD_DAC,          ! Executor default access
: 882 P 0868 1
: 883 P 0869 1      KEYWORD_STATE
: 884 P 0870 1      (NOD,
: 885 P 0871 1
: 886 P 0872 1      DACNON, 'NONE',
: 887 P 0873 1      DACINC, 'INCOMING',
: 888 P 0874 1      DACOUT, 'OUTGOING',
: 889 P 0875 1      DACBOT, 'BOTH',
: 890      0876 1      ));
: 891      0877 1
: 892 P 0878 1 $STATE (ST_NOD_ACC,          ! Node access
: 893 P 0879 1
: 894 P 0880 1      KEYWORD_STATE
: 895 P 0881 1      (NOD,
: 896 P 0882 1
: 897 P 0883 1      ACCNON, 'NONE',
: 898 P 0884 1      ACCINC, 'INCOMING',
: 899 P 0885 1      ACCOUT, 'OUTGOING',
: 900 P 0886 1      ACCBOT, 'BOTH',
: 901      0887 1      ));
```

```

: 903      0888 1
: 904      0889 1
: 905      0890 1      Parse DEFAULT PROXY value.
: 906      0891 1
: 907      0892 1
: 908      P 0893 1 $STATE (ST_NOD_DPX,      ! Executor default proxy access
: 909      P 0894 1
: 910      P 0895 1      KEYWORD_STATE
: 911      P 0896 1      (NOD,
: 912      P 0897 1
: 913      P 0898 1      DPXNON, 'NONE',
: 914      P 0899 1      DPXINC, 'INCOMING',
: 915      P 0900 1      DPXOUT, 'OUTGOING',
: 916      P 0901 1      DPXBOT, 'BOTH',
: 917      P 0902 1      DPXREQ, 'REQUIRED',
: 918      0903 1      ));

```

```

: 920      0904 1
: 921      0905 1
: 922      0906 1
: 923      0907 1
: 924      0908 1
: 925      P 0909 1 $STATE (SE_NSP_PSW,
: 926      P 0910 1 ( (SE_QOOT_STR), TPA$_EXIT, ACT$STR_LEN, , , LEN_NSP_PSW)
: 927      0911 1 );
: 928      0912 1
: 929      0913 1
: 930      0914 1
: 931      0915 1
: 932      0916 1
: 933      0917 1
: 934      P 0918 1 $STATE (ST_NOD_SNV,
: 935      P 0919 1
: 936      P 0920 1 ('PHASE', ST_NOD_SNVPHA),
: 937      0921 1 );
: 938      0922 1
: 939      P 0923 1 $STATE (ST_NOD_SNVPHA,
: 940      P 0924 1 ('III', ST_NOD_SNVPH3),
: 941      P 0925 1 ('IV', ST_NOD_SNVPH4),
: 942      0926 1 );
: 943      0927 1
: 944      0928 1
: 945      0929 1
: 946      0930 1
: 947      0931 1
: 948      P 0932 1 $STATE (SE_EXE_ID,
: 949      P 0933 1 ( (SE_QOOT_STR), TPA$_EXIT, ACT$STR_LEN, , , LEN_ID_STR)
: 950      0934 1 );
: 951      0935 1
: 952      0936 1
: 953      0937 1
: 954      0938 1
: 955      0939 1
: 956      P 0940 1 $STATE (ST_NOD_STA, ! State of the local node
: 957      P 0941 1
: 958      P 0942 1 KEYWORD_STATE
: 959      P 0943 1 (NOD,
: 960      P 0944 1
: 961      P 0945 1 STAOFF, 'OFF',
: 962      P 0946 1 STAON, 'ON',
: 963      P 0947 1 STARST, 'RESTRICTED',
: 964      P 0948 1 STASHT, 'SHUT',
: 965      P 0949 1
: 966      P 0950 1 )
: 967      0951 1 );
: 968      0952 1
: 969      P 0953 1 $STATE (ST_NOD_TYP, ! Type of node
: 970      P 0954 1
: 971      P 0955 1 ('NONROUTING', ST_NOD_TYPNON),
: 972      P 0956 1 ('PHASE', ST_NOD_TYPPHA),
: 973      P 0957 1 ('ROUTING', ST_NOD_TYPROU),
: 974      P 0958 1 ('AREA', ST_NOD_TYPARE),
: 975      0959 1 );
: 976      0960 1
```

NCPSTANOD
V04-000

Node Parameter Parse States and Data
Define Subexpressions

D 3
16-Sep-1984 01:17:08
14-Sep-1984 12:48:31

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```
: 977
: 978
: 979
: 980
: 981
: 982
: 983
: 984
: 985
: 986
: 987
: 988
: 989
: 990
: 991

P 0961 1 $STATE (ST_NOD_TYPPHA,
P 0962 1 ('IT', ST_NOD_TYPPH2)
P 0963 1 $STATE (ST_NOD_TYPPHA,
P 0964 1 ('IT', ST_NOD_TYPPH2)
P 0965 1 $STATE (ST_NOD_TYPPHA,
P 0966 1 ('IT', ST_NOD_TYPPH2)
P 0967 1 $STATE (ST_NOD_TYPPHA,
P 0968 1 ('IT', ST_NOD_TYPPH2)
P 0969 1 $STATE (ST_NOD_TYPPHA,
P 0970 1 ('IT', ST_NOD_TYPPH2)
P 0971 1 $STATE (ST_NOD_TYPPHA,
P 0972 1 ('IT', ST_NOD_TYPPH2)
P 0973 1 $STATE (ST_NOD_TYPPHA,
P 0974 1 ('IT', ST_NOD_TYPPH2)
P 0975 1 $STATE (ST_NOD_TYPPHA,
P 0976 1 ('IT', ST_NOD_TYPPH2)
P 0977 1 $STATE (ST_NOD_TYPPHA,
P 0978 1 ('IT', ST_NOD_TYPPH2)
P 0979 1 $STATE (ST_NOD_TYPPHA,
P 0980 1 ('IT', ST_NOD_TYPPH2)
P 0981 1 $STATE (ST_NOD_TYPPHA,
P 0982 1 ('IT', ST_NOD_TYPPH2)
P 0983 1 $STATE (ST_NOD_TYPPHA,
P 0984 1 ('IT', ST_NOD_TYPPH2)
P 0985 1 $STATE (ST_NOD_TYPPHA,
P 0986 1 ('IT', ST_NOD_TYPPH2)
P 0987 1 $STATE (ST_NOD_TYPPHA,
P 0988 1 ('IT', ST_NOD_TYPPH2)
P 0989 1 $STATE (ST_NOD_TYPPHA,
P 0990 1 ('IT', ST_NOD_TYPPH2)
P 0991 1 $STATE (ST_NOD_TYPPHA,
P 0992 1 ('IT', ST_NOD_TYPPH2)
```

```
: 993      0976 1 %SBTTL 'Define Subexpressions from Library'
: 994      0977 1
: 995      0978 1
: 996      0979 1
: 997      0980 1
: 998      0981 1
: 999      0982 1
: 1000     0983 1
: 1001     0984 1
: 1002     0985 1
: 1003     0986 1
: 1004     0987 1
: 1005     0988 1
: 1006     0989 1
: 1007     0990 1
: 1008     0991 1
: 1009     0992 1

          Invoke Macros to Define Subexpressions

          SEM_ALL           ! All parameter
          SEM_NODE_ID      ! Node id, address and name
          SEM_NI_ADR       ! NI address, with or without dashes
          SEM_LOAD (NOD)   ! Special load parameter decoding
          SEM_ACCESS       ! Access control strings
          SEM_FILE_ID      ! File ID
          SEM_HEX_PSW      ! Hex Password
          SEM_CIRC_ID      ! Circuit ID
          SEM_LINE_ID      ! Line ID
          SEM_QUOT_STR     ! Quoted string
          SEM_SUBADR_RANGE ! Subaddress range
```

NCPSTANOD
V04-000

Node Parameter Parse States and Data
Object Listing of Parse Table

F 3
16-Sep-1984 01:17:08
14-Sep-1984 12:48:31

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: 1011
: 1012
: 1013

0993 1 %SBTTL 'Object Listing of Parse Table'
0994 1 END
0995 0 ELUDOM

0271

AH-BT13A-SE
VAX/VMS V4.0

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